



# FACILITY COMPLIANCE INSPECTION REPORT

## Division of Waste Management Solid Waste Section

<b>UNIT TYPE:</b>												
Lined MSWLF		LCID		YW		Transfer		Compost		SLAS		<b>COUNTY: Alamance</b> <b>PERMIT NO.: 01-01</b> <b>FILE TYPE: COMPLIANCE</b>
Closed MSWLF	<b>X</b>	HHW		White goods		Incineration		T&P		FIRM		
CDLF		Tire T&P / Collection		Tire Monofill		Industrial Landfill		DEMO		SDTF		

**Date of Inspection:** January 23, 2014

**Date of Last Inspection:** June 14, 2013

**FACILITY NAME AND ADDRESS:**

Alamance County Closed MSW Landfill  
 3066 Alfred Road  
 Swepsonville, NC 27359

**GPS COORDINATES:** N: 36.01467 E: -79.34822

**FACILITY CONTACT NAME AND PHONE NUMBER:**

Greg Thomas, Solid Waste Director  
 w. 336-376-0411  
 c. 336-264-6700  
 f. 336-376-1302  
[greg.thomas@alamance-nc.com](mailto:greg.thomas@alamance-nc.com)

**FACILITY CONTACT ADDRESS:**

Alamance County MSW Landfill  
 Greg Thomas, Solid Waste Director  
 2701 Austin Quarter Road  
 Graham, NC 27253

**PARTICIPANTS**

John Patrone, Environmental Senior Specialist - Solid Waste Section (SWS)  
 Greg Thomas, Solid Waste Director - Alamance County MSW Landfill  
 Rodney Foust, Landfill Operation Superintendent - Alamance County MSW Landfill

**STATUS OF PERMIT:**

Closed

**PURPOSE OF SITE VISIT:**

Groundwater Well and Gas Probe Inspection

**STATUS OF PAST NOTED VIOLATIONS:**

None

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**OBSERVED VIOLATIONS**

None

The item(s) listed above were observed by Section staff and require action on behalf of the facility in order to come into or maintain compliance with the Statutes, Rules, and/or other regulatory requirements applicable to this facility. Be advised that pursuant to N.C.G.S. 130A-22, an administrative penalty of up to \$15,000 per day may be assessed for each violation of the Solid Waste Laws, Regulations, Conditions of a Permit, or Order under Article 9 of Chapter 130A of the N.C. General Statutes. Further, the facility and/or all responsible parties may be subject to enforcement actions including penalties, injunction from operation of a solid waste management facility or a solid waste collection service and any such further relief as may be necessary to achieve compliance with the North Carolina Solid Waste Management Act and Rules.

**ADDITIONAL COMMENTS**

On January 23, 2014, John Patrone met with Greg Thomas and Rodney Foust to conduct a groundwater and gas probe inspection of the Alamance County Closed MSW Landfill on Alfred Road in Swepsonville, Alamance County.

1. The facility is a closed municipal solid waste (MSW) landfill.
2. The facility ceased operation on October 4, 1993.
3. Landfill closure encompasses a 29 acre post-1991 MSW landfill, a 3 acre construction and demolition debris (C&D) landfill, a 1 acre tire monofill, two asbestos disposal areas, and a 50 acre pre-1991 landfill.
4. Facility post closure conditions were issued by SWS, letter date July 5, 1995.
5. When the landfill was in operation vertical pits were dug, filled, and covered with the extracted soil.
6. Edge of waste markers have been installed.
7. The groundwater and landfill gas monitoring plans were discussed.
8. Select groundwater monitoring wells and landfill gas probes were verified.
9. The landfill is mowed once or twice a year.
10. The landfill cap contains areas of woody vegetation.
11. Groundwater monitoring wells and landfill gas probes are accessible. However, ensure that the pathway to all groundwater monitoring wells and landfill gas probes is unhindered.
12. The facility obtains groundwater samples from eleven monitoring wells (MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7A, MW-7B, MW-8A, MW-8B, and MW-9).
13. The groundwater monitoring wells observed are: MW-1, MW-2, MW-5, MW-6, MW-7A, MW-7B, MW-8A, MW-8B, and MW-9.
14. Each groundwater monitoring well casing appeared to terminate > twelve inches above the land surface.
15. The groundwater monitoring wells each contain a steel outer (well) casing secured with padlock.
16. The groundwater monitoring wells contain a permanent sign adjacent to each well, indicating monitoring well number. Ensure that each groundwater monitoring well has a permanently affixed identification plate per 15A NCAC 02C .0108(o).
17. The groundwater monitoring wells each contain a concrete pad/apron.
18. The facility conducts landfill gas monitoring at twenty-one gas probes.
19. The landfill gas probes were installed in 2010, constructed of ¾ inch PVC pipe with stopcock valve, ¼ inch reducing hose nipple, and cap.
20. The gas probes observed are: GP-1, GP-3, GP-4, GP-6, GP-7, GP-8, GP-16, and GP-21.
21. Gas probes appeared to terminate > twelve inches above the land surface.
22. Gas probes are labeled with the corresponding probe number. However, it is recommended that each gas probe be labeled with a weatherproof identification tag. On some of the gas probes the marker pen label has faded and/or is difficult to read.
23. Some gas probes were missing the reducing nipple and none contained the cap. Ensure all gas probes are repaired accordingly.
24. The facility maintains semiannual groundwater and surface water test records collected by Buxton Environmental, Inc. Records for groundwater and surface water were verified for September 18, 2013. An exceedance is noted for the monitoring event.

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25. The facility maintains quarterly methane monitoring records. Methane monitoring was conducted by Municipal Engineering Services Company (MESCO) on August 9 and November 5, 2013. No exceedance is noted.
26. Ensure low areas of the landfill cap holding water are raised and graded accordingly.
27. It is suggested that signs identifying asbestos fill areas be appropriately maintained.

Please contact me if you have any questions or concerns regarding this inspection report.



John Patrone  
Environmental Senior Specialist  
*Regional Representative*

Phone: 336-771-5095 Fax: 336-771-4631

Sent on: <u>January 29, 2014</u>	<input checked="" type="checkbox"/>	Email	<input type="checkbox"/>	Hand delivery	<input type="checkbox"/>	US Mail	<input type="checkbox"/>	Certified No. <input type="checkbox"/>
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Electronic Copies Jason Watkins, Western District Supervisor  
Sarah Rice, Compliance Officer  
Ervin Lane, Compliance Hydrogeologist